(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



! | BEND BINLOOK || BENDA BIND BEND BEND BEND || 1 BIN BENDE BIN BENDE BIN BENDE BIN BENDE BIN BENDE BEND BEND

(43) International Publication Date 29 April 2004 (29.04.2004)

PCT

(10) International Publication Number WO 2004/034773 A1

(51) International Patent Classification7:

A01G 27/04

(21) International Application Number:

PCT/KR2003/002123

(22) International Filing Date: 14 October 2003 (14.10.2003)

(25) Filing Language:

Korean

(26) Publication Language:

English

(30) Priority Data: 10-2002-0062462

14 October 2002 (14.10.2002) K

(71) Applicant and

(72) Inventor: WANG, Young Sung [KR/KR]; 36-3. Osan-ri, Dongtan-myun. Hwasung-city, Kyoungki-do 445-813 (KR).

(74) Agent: LEE, Ki-Sung; 4th Floor Dongbo Building, 647-8, Yeoksam-dong, Gangnam-gu, Seoul 135-080 (KR).

(81) Designated States (national): A.E. A.G. A.L. A.M. A.T. A.U. A.Z. B.A. B.B. B.G. B.R. B.Y. B.Z. C.A. C.H. C.N. C.R. C.U. C.Z. D.E. D.K. D.M. D.Z. E.E. E.S. F.I. G.B. G.D. G.E. G.H. G.M. H.R. H.U. I.D. I.L. I.N. I.S. J.P. K.E. K.G. K.P. K.Z. L.C. L.K. L.R. L.S. L.T. L.U. L.V. M.A. M.D. M.G. M.K. M.N. M.W. M.X. M.Z. N.O. N.Z. P.L. P.T. RO. R.U. S.D. S.E. S.G. S.K. S.L. T.J. T.M. T.R. T.T. T.Z. U.A. U.G. U.S. U.Z. V.N. Y.U. Z.A. Z.M. Z.W.

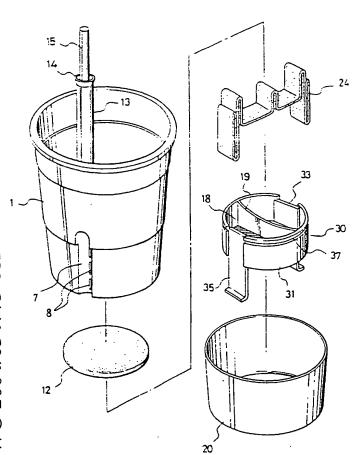
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: BOTTOM WATERING-TYPE PLANT CULTIVATION DEVICE



(57) Abstract: A bottom watering-type cultivation device which supplies water from a refillable water vessel (20) provided at a lower portion of a flowerpot (1) to a plant in the flowerpot (1). The bottom watering-type plant cultivation device includes a flowerpot (1) having a bottom part projected upward at a predetermined section thereof to a predetermined height to define a nutrient solution feed space (3) under the bottom part of the flowerpot (1), a refillable water vessel (20) to contain a predetermined amount of water therein to supply the water into the flowerpot, a nutrient solution guide (30) removably installed in the nutrient solution feed space (3) of the flowerpot (1), a water absorbing unit (24) engaging with the nutrient solution guide (30), and a root intercept unit (12) to prevent roots of the plant from infiltrating into the nutrient solution feed space (3).